

**REMARKS**

This communication is in response to the Nonfinal Office Action dated May 14, 2008.

In response to the telephonic interview of Examiner Helene Bor and Primary Examiner Eric Winnaker on July 14, 2008, in which agreement was made that a plurality of "PET imaging systems" is allowable over Reilly '463, Applicant has amended independent claims herein to require a plurality of positron emission tomography imaging systems.

The references do not disclose "a plurality of a positron emission tomography imaging systems." In particular, Reilly '463 does not disclose "a plurality of a positron emission tomography imaging systems." On the contrary, all references to PET scanners in Reilly '463 are singular, such as "PET scanners" in paragraph 5. Thus, Reilly '463 and the other references do not disclose claims 1-85 that require "a plurality of a positron emission tomography imaging systems."

The amendments are supported by FIG. 1 and FIG. 4.

Applicant believes that claims 1-85 are allowable. Applicant requests a Notice of Allowance for this application. If any issues remain that prevent issuance of this application, the Examiner is urged to contact the undersigned attorney Michael G. Smith at 202-595-1444 x2.

Respectfully Submitted,



Dated: Aug. 14, 2008

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